

Title (en)
DEGENERATE OLIGONUCLEOTIDES AND THEIR USES

Title (de)
ZERFALLENDE OLIGONUKLEOTIDE UND IHRE VERWENDUNGEN

Title (fr)
OLIGONUCLÉOTIDES DÉGÉNÉRÉS ET LEURS UTILISATIONS

Publication
EP 2197894 A4 20110706 (EN)

Application
EP 08840436 A 20081015

Priority
• US 2008079908 W 20081015
• US 87227207 A 20071015

Abstract (en)
[origin: US2009099040A1] The present invention provides a plurality of oligonucleotides comprising a semi-random sequence, wherein the semi-random sequence comprises degenerate nucleotides that are substantially non-complementary. Also provided are methods for using the plurality of oligonucleotides to amplify a population of target nucleic acids.

IPC 8 full level
C07H 21/04 (2006.01); **C12N 15/10** (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP US)
C12N 15/1093 (2013.01 - EP US); **C12Q 1/6806** (2013.01 - US); **C12Q 1/6853** (2013.01 - EP US); **C12Q 1/6876** (2013.01 - US);
C12Q 2525/179 (2013.01 - US)

C-Set (source: EP US)
C12Q 1/6853 + C12Q 2525/179 + C12Q 2521/107

Citation (search report)
• [X] WO 2004081225 A2 20040923 - RUBICON GENOMICS INC [US], et al
• [X] CHEUNG V G AND NELSON S F: "Whole genome amplification using a degenerate oligonucleotide primer allows hundreds of genotypes to be performed on less than one nanogram of genomic DNA", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, NATIONAL ACADEMY OF SCIENCES, vol. 93, 1 December 1996 (1996-12-01), pages 14676 - 14679, XP002126260, ISSN: 0027-8424, DOI: 10.1073/PNAS.93.25.14676
• See also references of WO 2009052128A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2009099040 A1 20090416; AU 2008312614 A1 20090423; EP 2197894 A1 20100623; EP 2197894 A4 20110706; EP 2197894 B1 20130925; JP 2011500060 A 20110106; JP 5637853 B2 20141210; KR 101587664 B1 20160121; KR 20100074188 A 20100701; US 2015072899 A1 20150312; US 2019300933 A1 20191003; US 2020248236 A1 20200806; US 2021324449 A1 20211021; US 2024279713 A1 20240822; WO 2009052128 A1 20090423

DOCDB simple family (application)
US 87227207 A 20071015; AU 2008312614 A 20081015; EP 08840436 A 20081015; JP 2010530072 A 20081015; KR 20107008170 A 20081015; US 2008079908 W 20081015; US 201414483875 A 20140911; US 201916276530 A 20190214; US 202016834141 A 20200330; US 202117354443 A 20210622; US 202318470565 A 20230920